

CLAIMS

1. Electrically driven pump for the maintenance of swimming pools, characterised in that it comprises an electric motor (2, 18) having a drive shaft, the shaft having, at each of the axial ends thereof, a shaft output (3, 5; 21, 22) and two pump impellers, each shaft output driving a respective pump impeller, the first of the impellers (4, 23) operating at a low pressure and high flow rate, and the second of the impellers (6, 30) operating at a higher pressure and lower flow rate.

2. Pump according to claim 1, characterised in that the water pumped by the second pump impeller (6, 30) circulates around the motor (2, 18) in order to cool the motor.

3. Pump according to either claim 1 or claim 2, characterised in that the water pumped by the second pump impeller (6, 30) is drawn off (7, 24) close to the outlet of the first pump impeller (4, 23) and returns to the inlet of the second impeller.

4. Pump according to claim 3, characterised in that the draw-off location (7, 24) is located in a low-pressure pump body, upstream of the low-pressure outlet (12, 16).

5. Pump according to claim 4, characterised in that the circulation of the water pumped by the second pump impeller (6) is carried out in a coiled pipeline (8) which surrounds the motor.

6. Pump according to claim 4, characterised in that the circulation of the water pumped by the second pump impeller

(30) is carried out in a cylindrical space (27) formed around the motor (18), between the motor and an external housing (29).

7. Pump according to claim 6, characterised in that the assembly formed by the motor (18), the housing (29), the two pump impellers (23, 30) and the high-pressure pump body is connected in a releasable manner to the body of the low-pressure pump.

8. Pump according to claim 7, characterised in that the releasable connection between said assembly and the low-pressure pump body is carried out by means of bayonet-type locking.

9. Pump according to any one of the preceding claims, characterised in that the impeller (4, 23) which operates at a low-pressure and high flow rate is intended for the filtration, and the other impeller (6, 30) which operates at a higher pressure and lower flow rate is intended for a cleaning device for swimming pools.

10. Pump according to any one of the preceding claims, characterised in that the low-pressure pump body is incorporated in a concrete block which also contains a water filtration device for swimming pools.